

RESEARCH ACCOUNTING

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Introduction

The Research Accounting module enables you to track grants from the time you submit a proposal to a funding agency through the award and disbursement process. This module also enables you to perform accounting, reporting, and billing functions after you receive a grant award.

SCT delivered the Research Accounting module using a three-phase approach. With Release 2.1.11, SCT delivered the Proposals enhancement. The Grants enhancement followed in Release 3.1. Clients received the final phase, Grant Billing, in Release 4.0.

Proposals and **Grants** are maintenance and tracking tools primarily used by researchers and research administrators. These components enable you to set up proposals and/or grants that include information such as key personnel, funding agency contact, and funding agency address. You can also create proposal and/or grant budgets and perform indirect cost (F & A) and cost share calculations.

Grant Billing enables users to track grant expenditures (billed and unbilled) and payments received from sponsoring agencies. It also enables you to generate bills and reports for sponsoring agencies in the standard formats (for example, 272) as well as in formats defined by your institution. In addition, you can use this component to process payments received from sponsoring agencies.

Research Accounting Master Elements

Several codes on the Proposal Maintenance Form are created through and validated against the System Data Maintenance Table (FTVSDAT).

The following table depicts the field on the Proposal Maintenance Form (FRAPROP) and its cross reference to the values defined on this table. You will see

in the **Optional #1** column that certain examples were created for your use. These codes may be altered, used as provided, or deleted at your site to suit your needs.

Table 1:

Form	Field	SDAT Entity/ Usage Code	Attribute Code	Optional #1	Short Title
FRAPROP	Status Code	FRBPROP	Status_Code	A	Awarded
				D	Declined
				N	New
				O	Open
				R	Re-submitted
				S	Submitted
	Proposal Type	FRBPROP	Proposal_Type	A	Agreement
				C	Contract
				G	Grant
	Category	FRBPROP	Category	F	Federal
				N	Non Federal
				R	Other Restricted
	Sub Category	FRBPROP	Sub_Category	CORP	Corporation
				FNDT	Foundation
				FRGN	Foreign
	Indicator	FRRPRPI	ID_Indicator	001	Project Director
				002	Grant Analyst

Menu Navigation Table

If you know the seven-letter name of the form you want to access, you may use Direct Access to bypass the menus. To use Direct Access, enter the seven-letter name of a form at the **Direct Access** prompt. Instructions for accessing menus are in Chapter 2, *Using Banner*, of this manual.

Access this menu from the Finance System Menu (*FINANCE).

*FINRESMAINT	Research Accounting Table Maintenance Menu Provides access to the maintenance and validation forms within the Research Accounting module.
*FINRESPROP	Research Accounting Proposal Menu Provides access to the forms needed to create, maintain, and query proposals and proposal budgets.
*FINRESGRANT	Research Accounting Grants Menu Provides access to the forms needed to create, maintain, and query grants and grant budgets.
*FINRESGRBILL	Research Accounting Grant Billing Menu Provides access to the forms needed to create, maintain, and query bills and reports.

***FINRESARGRBIL** Grant Billing Accounts Receivable Menu
L Provides access to the forms needed to enter payments received from sponsoring agencies and apply those payments to grants.

Access this menu from the Research Accounting Menu (*FINRESEARCH).

FTMBASI	Basis Definition Code Maintenance Form Enables you to define and establish the base for indirect cost (F & A) and cost sharing calculations. The basis may be linked to a proposal for calculations within the Proposal Budget Form (FRABUDP).
FTMINDR	Indirect Cost Rate Code Maintenance Form Enables you to define the indirect cost (F & A) rate.
FRHINDR	Indirect Cost Rate History Form Enables you to query a history of changes on indirect cost (F & A) rates.
FTMINDA	Indirect Cost Charge Code Maintenance Form Enables you to enter the accounts and percentages for overhead charge calculations. Indirect Cost Charge Accounts represent the debit side of the posting transaction for indirect costs (F & A) to the grant fund.
FTMINDD	Indirect Cost Distribution Maintenance Form Enables you to enter the FOAPAL distribution for the recovery of indirect charges. This form creates transactions used for the credit side of indirect costs (F & A) in the ledgers. All of the FOAPAL elements are defined on this form.
FTMCSTR	Cost Share Rate Code Maintenance Form Enables you to enter Cost Share Rate Codes and their related descriptions. This form is also used to record the rate or lump sum amount for cost share calculations.
FTMCSTA	Cost Share Credit Code Maintenance Form Enables you to enter the accounts to which cost share amounts are to be credited or to enter a fund code that can be used as an alternate fund to track cost share activity.
FTMCSTD	Cost Share Distribution Maintenance Form Enables you to define the FOAPAL elements used to reflect the cost (or debit) side of the cost share calculations on the unrestricted fund.

FRASYSC	Research Accounting System Control Form Enables you to create and maintain system control records that store general billing information about grants such as payee name, address, and other system-level defaults.
FTMBECL	Billing Exclusion Maintenance Form Enables you to create and define exclusion codes that automatically restrict billing and place non-allowable accounts on hold.
FTMBFRM	Grant Billing Format Form Enables you to define existing format codes that customize bills and reports.
*FINRESVAL	Research Accounting Table Validation Menu Provides access to all of the Research Accounting validation forms.

Access this menu from the Research Accounting Table Maintenance Menu (*FINRESMAINT).

FRVBASI	Basis Code Validation Form Provides a list of defined basis codes for query purposes.
FRVCFDA	Catalog of Federal Domestic Assistance Codes Form Enables you to view and define Federal Domestic Assistance Program Codes. These codes are directly related to federal proposals or grants.
FRVEVNT	Event Code Validation Form Provides a list of defined event codes for query purposes.
FRVINDA	Indirect Cost Charge Code Validation Form Enables you to view or select Indirect Cost Charge codes. This form is used for query and selection only.
FRVINDD	Indirect Cost Distribution Code Validation Form Enables you to view or select Indirect Cost Distribution Codes. This form is used for query and selection only.
FRVINDR	Indirect Cost Rate Code Validation Form Enables you to view or select Indirect Cost Rate Codes. This form is used for query and selection only.
FRVISAC	Institution/Sponsor Account Maintenance Form Enables you to cross reference Institution Account Codes and Institution Account Types to Sponsor Identified Account codes. By allowing this cross reference, reports and queries may be enhanced to view proposal budgets from an agency's point of reference.

FRVLCLA	Grants Labor Clearing Accounts Validation Form Enables you to create clearing accounts for labor and grant transactions.
FRVSACT	Sponsor Account Code Maintenance Form Enables you to define and view Sponsor Account codes.
FRVSDAT	Research Accounting User Codes Validation Form Enables you to create user-defined literals and attributes on the Proposal Maintenance Form (FRAPROP) and the Grant Maintenance Form (FRAGRNT).
FRVBECL	Billing Exclusion Validation Form Provides a list of defined exclusion codes for query purposes.
FRVPMSC	Payment Management System Code Maintenance Form Enables you to create and maintain payment management system codes that link together grants that have the same reimbursement requirements and were received from the same sponsoring agency.
FRVBFRM	Billing Format Validation Form Enables you to create, view, and query format codes.

Access this menu from the Research Accounting Menu (*FINRESEARCH).

*FINPROPOSAL	Proposal Maintenance Menu Provides access to the forms which allow you to create a proposal or enter budget iterations for a proposal.
*FINPROPQUERY	Proposal Query Menu Provides access to the query forms which allow you to retrieve proposal information.
*FINPROPEVENT	Proposal Events Menu Provides access to the forms which allow you to create and maintain proposal events.

Access this menu from the Research Accounting Proposal Menu (*FINRESPROP).

FRAPROP	Proposal Maintenance Form Enables you to enter or update proposal information. This form is also used to maintain information such as key personnel, agency information, and cost code information for indirect cost (F & A) and cost share calculations on the proposal.
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FRABUDP	Proposal Budget Form Enables you to enter and track proposal budgets. This form supports budget iterations which may be developed for the entire length of the project or for each year within the project period.
FOAETXT	Entity Text Entry Form Enables you to view, add, change, or delete text associated with an event.

Access this menu from the Research Accounting Proposal Menu (*FINRESPROP).

FRIASTP	Proposal Agency Inquiry Form Enables you to monitor proposal activity by agency.
FRIBDSP	Proposal Budget Distribution Inquiry Form Enables you to view proposal budget distributions.
FRIBUDP	Proposal Budget Codes Inquiry Form Enables you to view general information about proposal budgets.
FRIBUDT	Proposal Budget Totals Inquiry Form Enables you to perform an online query of summarized budget data by account number, sponsor account number, account title, or account types for each proposal budget code. FRIBUDT displays cost sharing and sponsor funded amounts information.
FRIEVNP	Proposal Events Inquiry Form Provides a list of proposal events for query purposes.
FRIKPRO	Proposal Title Search Form Enables you to search for a proposal by the words and/or characters in the proposal's title. This form queries both the long and the short title of a proposal, but it only displays the 35 character short title.
FRIPROP	Proposal Codes Inquiry Form Enables you to display a list of all proposal codes.
FRIPRST	Proposal Status History Inquiry Form Enables you to view proposal status history information.
FRIPSTP	Proposal Personnel Inquiry Form Enables you to monitor proposal activity by Personnel ID.

Access this menu from the Research Accounting Proposal Menu (*FINRESPROP).

FRVEVNT	Event Code Validation Form Enables you to view, add, change, or delete an event.
FRVEGRP	Event Group Validation Form Enables you to group together defined event codes.
FRAEVPA	Proposal Events Assignment Form Enables you to assign defined event codes and event group codes to a proposal.
FRAEVNP	Proposal Event Action Form Enables you to monitor events associated with a proposal.

Access this menu from the Research Accounting Menu (*FINRESEARCH).

FRAGRNT	Grant Maintenance Form Enables you to enter or update grant information. This form is also used to maintain information such as key personnel, agency information, and cost code information for indirect cost (F & A) and cost share calculations on the grant.
FRABUDG	Grant Budget Form Enables you to enter and track grant budgets. This form supports budget iterations which may be developed for the entire length of the project or for each year within the project period.
FOAETXT	Entity Text Entry Form Enables you to view, add, change, or delete text associated with an event.
FRMFUND	Research Accounting Fund Maintenance Form Enables you to associate indirect cost codes and cost share codes to a fund.
*FINGRNTQUERY	Grant Inquiry Menu Provides access to the query forms which allow you to retrieve grant information.
*FINGRNTEVENT	Grant Events Menu Provides access to the forms which allow you to create and maintain grant events.

Access this menu from the Research Accounting Grants Menu (*FINRESGRANT).

FRIASTG	Grant Agency Inquiry Form Enables you to monitor grant activity by agency.
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FRIBDSG	Grant Budget Distribution Inquiry Form Enables you to view grant budget distributions.
FRIBUDG	Grant Budget Codes Inquiry Form Enables you to view general information about grant budgets.
FRIBUTG	Grant Budget Totals Form Enables you to perform an online query of summarized budget data by account number, sponsor account number, account title, or account types for each grant budget code. FRIBUTG displays cost sharing and sponsor funded amounts information.
FRIEVNG	Grant Event Inquiry Form Provides a list of grant events for query purposes.
FRIGITD	Grant Inception to Date Form Enables you to view account type information, including adjusted budgets, inception-to-date actual activity, encumbrance, and available balance amounts.
FRIGRNT	Grant Code Inquiry Form Enables you to display a list of all proposal codes.
FRIGRST	Grant Status History Inquiry Form Enables you to view grant status history information.
FRIGTRD	Grant Transaction Detail Form Provides a list of transactions from the Transaction Detail Table for query purposes.
FRIKGNT	Grant Title Search Form Enables you to search for a grant by the words and/or characters in the grant's title. This form queries both the long and the short title of a grant, but it only displays the 35 character short title.
FRIMEMO	Grant Memo Ledger Inquiry Form Enables you to track the amount of lost overhead.
FRIORGH	Grant Organization Inquiry Form Enables you to view grants by organization.
FRIPSTG	Grant Personnel Inquiry Form Enables you to monitor grant activity by Personnel ID.

Access this menu from the Research Accounting Grants Menu (*FINRESGRANT).

FRVEVNT	Event Code Validation Form Enables you to view, add, change, or delete an event.
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FRVEGRP	Event Group Validation Form Enables you to group together defined event codes.
FRAEVGA	Grant Events Assignment Form Enables you to assign defined event codes and event group codes to a grant.
FRAEVNG	Grant Event Action Form Enables you to monitor events associated with a grant.

Access this menu from the Research Accounting Menu (*FINRESEARCH).

FRABDCN	Research Accounting Unbilled Status Control Form Enables you to monitor unbilled grant expenditures and the associated grant overhead. This form also enables you to change the status of an item from unbilled to hold or from hold to unbilled.
FRA134B	Standard Billing 1034 Form Enables you to view and print bills in the standard 1034 format. You can also use this form to enter bills from your legacy system.
FRA269R	Standard Report 269 Form Enables you to view and print reports in the standard 269 format. You can also use this form to enter reports from your legacy system.
FRA270B	Standard Billing 270 Form Enables you to view and print bills in the standard 270 format. You can also use this form to enter bills from your legacy system.
FRA272B	Standard Billing 272 Form Enables you to view and print bills in the standard 272 format. You can also use this form to enter bills from your legacy system.
FRA272R	Standard Report 272 Form Enables you to view and print reports in the standard 272 format. You can also use this form to enter reports from your legacy system.
FRAGENB	Generic Bill Form Enables you to view and print bills in a user-defined format. You can also use this form to enter bills from your legacy system.

FRAGENR	Generic Report Form Enables you to view and print reports in a user-defined format. You can also use this form to enter reports from your legacy system.
FRABRUN	Run Standard Bills and Reports Form Enables you to print bills and reports. You can also use this form to enter bills and reports from your legacy system.
*FINRESGRBILLQ	Research Accounting Grant Billing Query Menu Provides access to the query forms which allow you to retrieve grant billing information.

Access this menu from the Research Accounting Grant Billing Menu (*FINRESGRBILL).

FRIBDET	Research Accounting Billing Detail Inquiry Form Enables you to view billed expenditures, unbilled expenditures, and associated grant overhead throughout the billing cycle.
FRI134B	Standard Bill Inquiry 134B Form Enables you to view bills in the standard 1034 format.
FRI272B	Standard Bill Inquiry 272B Form Enables you to view bills in the standard 272 format.
FRIGENB	Generic Inquiry Bill Form Enables you to view bills in a user-defined format.
FRIGENR	Generic Inquiry Report Form Enables you to view reports in a user-defined format.
FRI270B	Standard Bill Inquiry 270B Form Enables you to view bills in the standard 270 format.

Access this menu from the Research Accounting Menu (*FINRESEARCH).

TFADETC	Detail Code Control Form Enables you to establish detail codes to process bills for sponsoring agencies and payments from those agencies.
FRAAREV	Research Accounting Payments Entry Form Enables you to enter payments received from sponsoring agencies.
FRACOLL	Grant Billing Collections Form Enables you to track collection efforts for specific bills on a grant.

FRAUNAP	Research Accounting Unapplication of Payments Form Enables you to unapply payments that have been applied incorrectly.
*FINRESARGRBQ	Grant Billing Accounts Receivable Query Menu Provides access to the query forms which allow you to retrieve payment information for grants.
*FINRESARGBVAL	Grant Billing Accounts Receivable Validation Menu Provides access to the form needed to view billing collection codes.

Access this menu from the Grant Billing Accounts Receivable Menu (*FINRESARGRBILL).

FRIAPPL	Application of Payment History Inquiry Form Enables you to view information about payments that have been applied to charges.
FRIGSUM	Research Accounting Grant Summary Review Form Enables you to view summary information about charges and payments associated with a grant or payment management system code.
FRIBILL	Research Accounting Billing Inquiry Form Enables you to view billing information for a grant or payment management system code.

Access this menu from the Grant Billing Accounts Receivable Menu (*FINRESARGRBILL).

FRVCOLL	Grant Billing Collections Validation Form Enables you to create and maintain collection codes.
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Research Accounting Forms

Descriptions of Research Accounting forms appear in Banner online help. Introductory information about online help is found in Chapter 2, *Using Banner*, of this manual.

Note: Documentation for the Detail Code Control Form (TFADETC) is available in the *Accounts Receivable System User Manual*.

Research Accounting Processes

The following processes are available in the Research Accounting module.

FGRGRBD	Grant Rebuild Process– Enables you to rebuild the grant ledger from the Transaction Detail Table (FGBTRND).
FRRBILL	Research Accounting Billing Process– Enables you to generate billing amounts and post transactions to the ledgers.
FRRBREV	Research Accounting Billing Reversal Process– Enables you to reverse, or undo, bills that you ran in Update mode (Execution Mode = U) in the Research Accounting Billing Process (FRRBILL).
FRRGRNT	Deferred Grant Process– Enables you to define when you want Banner to perform indirect cost (F & A), cost share, and revenue recognition calculations.
FRRGRPT	Research Accounting Report Process– Enables you to generate data for Grant Billing reports.
TRRAPPL	Application of Payment Process– Enables you to apply payments to charges by grant.
TRRUNAP	Unapplication of Payments Process– Enables you to reverse, or undo, payments that have been applied to grant charges.

Refer to Chapter 26, *Reports and Processes* for descriptions, parameter listings, and sample output.

Research Accounting Reports

The following reports are available in the Research Accounting module.

FGRGLEX	Grant Ledger Exception Report– Prints a list of all transactions that exist in the Transaction Detail Table (FGBTRND), but <i>not</i> the Grant Ledger (FRRGRNL).
FRR134B	Standard 1034 Billing Form– Prints a bill in the standard 1034 format. To run this bill, Oracle Reports must be installed on your computer. This bill will not run from a web-enabled form.
FRR269R	Standard 269 Report Form– Prints grant billing information in the standard 269 format. To run this report, Oracle Reports must be installed on your computer. This report will not run from a web-enabled form.

FRR270B	Standard 270 Billing Form– Prints a bill in the standard 270 format. To run this bill, Oracle Reports must be installed on your computer. This bill will not run from a web-enabled form.
FRR272B	Standard 272 Billing Form– Prints a bill in the standard 272 format. To run this bill, Oracle Reports must be installed on your computer. This bill will not run from a web-enabled form.
FRR272R	Standard 272 Report Form– Prints grant billing information in the standard 272 format. To run this report, Oracle Reports must be installed on your computer. This report will not run from a web-enabled form.
FRRABUD	Agency Budget Report– Prints a list of budget activity for grants received from the specified sponsoring agency.
FRRBDEX	Billing Detail Exception Report– Prints a list of all documents that are stored in the Transaction Detail Table (FGBTRND), but <i>not</i> the Billing Detail Table (FRRBDET).
FRRBEXC	Billing Exception Report– Prints a list of all grants that have exceptions associated with them.
FRRBUDG	Grant Budget Report– Prints budget information, including indirect cost (F & A) and cost share amounts, for a specific grant.
FRRCNSF	Canadian Standard Report Form– Prints grant billing information in a format customized for Canadian institutions. To run this report, Oracle Reports must be installed on your computer. This report will not run from a web-enabled form.
FRRCONV	Research Accounting Conversion Report– Prints indirect cost (F & A) and cost share data from the Grants module to facilitate your conversion to the Research Accounting module.
FRREVNG	Grant Events Report– Prints a list of events associated with a grant.
FRREVNP	Proposal Events Report– Prints a list of events associated with a proposal.
FRRFEXC	Fund Exception Report– Prints a list of all grant funds that <i>do not</i> have information stored in the Accrual Acct and Revenue Acct fields on the Fund Code Maintenance Form (FTMFUND).
FRRGBFY	Grant Budget Status Report– Prints a list of grant activity within the specified fiscal year.
FRRGENB	Generic Bill Form– Prints bills in a format customized by your institution on the Billing/Report Format Maintenance Form (FTMBFRM). To run this bill, Oracle Reports must be installed on your computer. This bill will not run from a web-enabled form.

FRRGENR	Generic Report Form– Prints grant billing information in a format customized by your institution on the Billing/Report Format Maintenance Form (FTMBFRM). To run this report, Oracle Reports must be installed on your computer. This report will not run from a web-enabled form.
FRIGITD	Grant Inception to Date Report– Prints grant account activity information from the General Ledger.
FRRINDC	Grant Expenditures Report– Prints the total expenditures for the specified grant(s) by FOAPAL.
FRRINVS	Grant Billing Preview Report– Prints a list of all grants that will be selected by the Research Accounting Billing Process (FRRBILL) when it's run on the specified date.
TRRAGES	Grant Aging Analysis Report– Prints information about the aging of billed receivables.
TRRCOLL	Collections Report– Prints information about collection efforts that have been entered on the Grant Billing Collections Form (TRACOLL).
TRRRCON	Grant Reconciliation Report– Reconciles data between the Accounts Receivable module and the Finance module for Grant Billing transactions only.
TRRUNPL	Unapplied Payments Listing– Prints a list of all payments that have not been applied to charges and their corresponding fund codes.

Refer to Chapter 26, *Reports and Processes* for descriptions, parameter listings, and sample output.